

Work Order ID 94551

94551

Page 1

December-19-12 11:43:12 AM

Item ID: D4672-1

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Blanking Plate

Start Date: 12/18/12 Start Qty: 8.00

8

Cust Item ID:

Required Date: 1/11/13 Req'd Qty: 8.00

8

Customer:

Reference:

Run Start ***NR1***

Approvals: Process Plan: MCS

Date: 12-12-12 Tooling:

Date:

Stop ***NR2***

QC:

Date: SPC (Y/N):

Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4672	A								
100	FLOW WATER JET	0.00							
100									
Waterjet	Memo	0.00							
FLOW CNC Waterjet	1-Cut as per Dwg D4672								
304 .040	Dwg Rev: <u>A</u>								
	Prog Rev: <u>A</u>								
	2-Deburr as required								
110	QC2- Inspect parts off machine FAI/FAIB	0.00							
110									
QC	Memo	0.00							
Quality Control									

(B)

B3-1-12

(B)

B3-1-13

Work Order ID 94551

94551

Page 2

December-19-12 11:43:12 AM

Item ID: D4672-1

Accept

N9000040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Blanking Plate

Start Date: 12/18/12 Start Qty: 8.00

8

Cust Item ID:

Required Date: 1/11/13 Req'd Qty: 8.00

8

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC8- Inspect parts - second check Memo	0.00 13.1.14				13			
180 *180* Packaging Packaging	Identify as per dwg & Stock Location: WA005 Memo	0.00 0.00							
190 *190* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00							

CP 13.1.14

13

13/1/15
MR
13-1-24

Picklist Print

December-19-12 11:43:12 AM

Page 1

Work Order ID: 94551

Parent Item: D4672-1

Parent Item Name: Blanking Plate

Start Date: 12/18/12

Required Date: 1/11/13

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP REV:A NEW ISSUE 12-07-10 JLM VERIFIED BY:EC
DWG REV.A DD VERF:EC

IPP REV:B 12.07.24 AS PER

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304S20GA 304/316 .040 Sheet		Purchased	No			100	sf	456.3001	0.28	2.3578944	11	12-1-12	

Location

Loc Qty

Loc Code

MAT020

456.300065

121380

0.000065

122732

33

122753

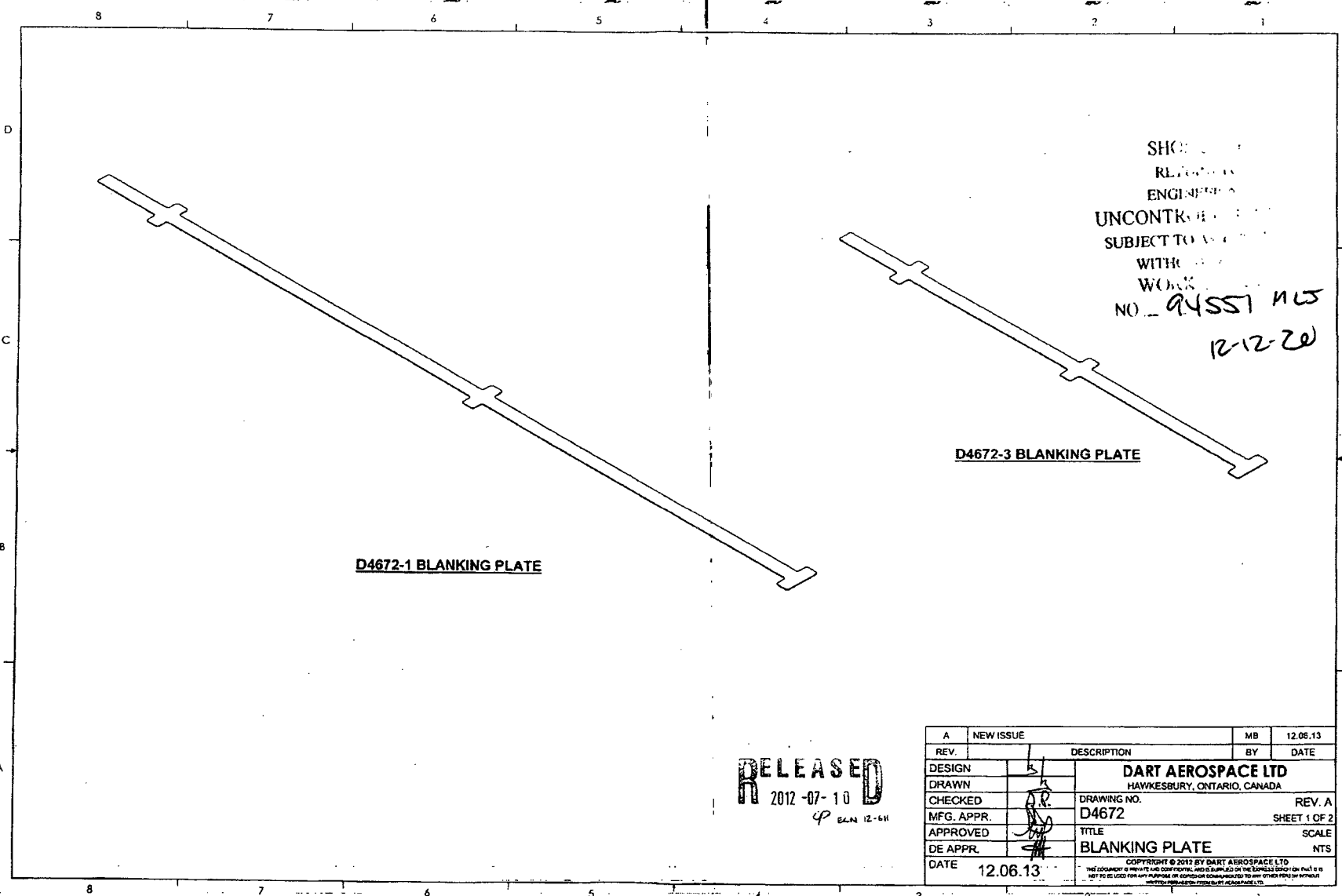
103.3

124029

320

124029

13



SHOW
 RELATIONS
 ENGINEER
 UNCONTROLLED
 SUBJECT TO
 WITH
 WORK
 NO. **94551 NLS**
12-12-20

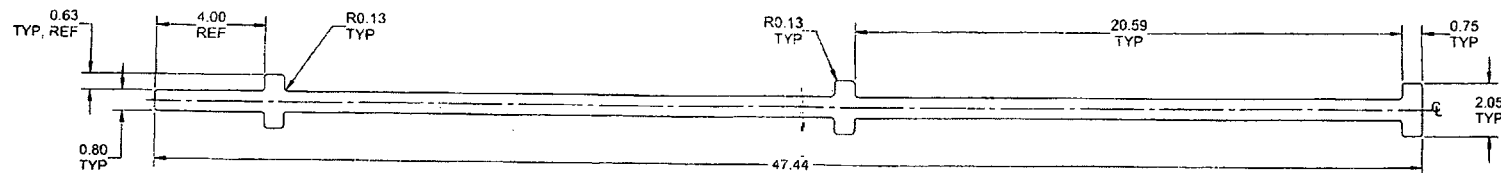
D4672-1 BLANKING PLATE

D4672-3 BLANKING PLATE

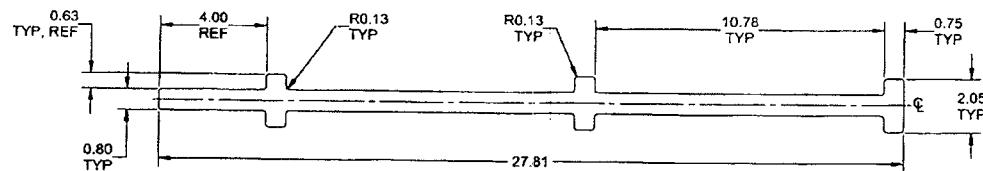
RELEASED
 2012-07-10
 P 64N 12-64

A	NEW ISSUE	MB	12.06.13
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4672	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		BLANKING PLATE	NTS
DATE	12.06.13	<small> COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL. ANY REPRODUCTION OR DISSEMINATION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD IS PROHIBITED. </small>	

9455



D4672-1 BLANKING PLATE



D4672-3 BLANKING PLATE

NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET, 0.040 THICK, ANNEALED 2B FINISH PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 REF DART SPEC M304S20GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4672-X" PER DART QSI 044 6.1 (FINE POINT PAINT MARKER)
- 7) WEIGHT: D4672-1 = 0.47 lbs; D4672-3 = 0.29 lbs
- 8) SYMMETRY: ABOUT CENTERLINE OF PART

RELEASED
2012-07-10
ECN 12-64

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO. D4672	REV. A
MFG. APPR.		TITLE	SHEET 2 OF 2
APPROVED		BLANKING PLATE	SCALE
DE APPR.			NTS
DATE	12.06.13	<small>COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESSED CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR DISCLOSED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

Receiving Report

Date: 12/12/17

Batch No: MB 4029

Supplier: ThyssenKrupp

Dart P/O: 18619

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection MB 12/12/17 N/A ☒
 Work Order MB 12/12/17 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
<u>4, 10 Skel BO</u>						

Initials of receiver (if shipment OK) Level 12 [Signature]

Production/Admin: 12/12/17
 Date
 Received/Costing
 Initial [Signature]

Location _____

Purchase Order Receipt Listing

Page 1 of 2

Tuesday, December 18, 2012 3:08:14 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO18619 Receipt Dates from 12/18/2012 to 12/18/2012 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO18619	1		M304S18GA	sf	12/19/2012	12/18/2012	320.0000	\$3.30	0.0000	0	\$1,056.72
CAD	No		304/316 .050 Sheet	sf	320.0000	DESJ02		\$1,056.72	0.0000	0	
			124029								
	2		M304S20GA	sf	12/19/2012	12/18/2012	320.0000	\$2.50	0.0000	0	\$800.09
	No		304/316 .040 Sheet	sf	320.0000	DESJ02		\$800.09	0.0000	0	
			124029								
	7		M6061T6B0.375X00. f		12/19/2012	12/18/2012	24.0000	\$2.52	0.0000	0	\$60.38
	No		750		24.0000	DESJ02		\$60.38	0.0000	0	
			6061T6 BAR .375 x	f							
			.750								
			124029								
	8		M6061T6R0.500	f	12/19/2012	12/18/2012	48.0000	\$1.21	0.0000	0	\$57.97
	No		6061-T6 Round Bar	f	48.0000	DESJ02		\$57.97	0.0000	0	
			.500"								
			124029								
	9		M6061T6R0.563	f	12/19/2012	12/18/2012	300.0000	\$0.61	0.0000	0	\$183.17
	No		6061-T6 ROUND	f	300.0000	DESJ02		\$183.17	0.0000	0	
			BAR .563								
			124029								
	10		M6061T6R0.750	f	12/19/2012	12/18/2012	48.0000	\$1.04	0.0000	0	\$49.72
	No		6061-T6 Round Bar	f	48.0000	DESJ02		\$49.72	0.0000	0	
			.750"								
			124029								
	11		M6061T6R3.500	f	12/19/2012	12/18/2012	12.0000	\$22.47	0.0000	0	\$269.61
	No		6061 RD bar 3.50	f	12.0000	DESJ02		\$269.61	0.0000	0	
			124029								
	12		M6063T5A0.750W.0 f		12/19/2012	12/18/2012	21.0000	\$1.44	0.0000	0	\$30.19
	No		63		21.0000	DESJ02		\$30.19	0.0000	0	
			Angle6063T5 .750	f							
			X.750 X.063w								
			124029								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
------------------------------------	-----------------------------	------------	--	-----------------------	-------------------------------	---------------------------	-------------------------	------------------------------	--	-------------------------------	----------

Total Received Quantity:	1,093.0000
Total Qty to Inspect (PO U/M):	0.0000
Total Reject Quantity:	0.0000
Total Receipt Value:	\$2,507.86
Total Balance Due Quantity:	0.0000

B I L L O F L A D I N G

No: PEC 799828

Ship From: THYSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 14Dec12 at 13:51 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-518912- 1 Your PO # 18619 AD ON
ALUMINUM FLAT BAR 6061-T6511
.375" X .750" X 144.0000"

Heat Number
201213316

Tag No
133867

Quantity PCS
24 FT 2

Wt LBS
8

2) Our Order PEC-518912- 2 Your PO # 18619 AD ON
ALUMINUM ROUND BAR 6061-T6511
.50" DIA X 144.0000"

Heat Number
2BS755

Tag No
133868

Quantity PCS
48 FT 4

Wt LBS
11

3) Our Order PEC-518912- 3 Your PO # 18619 AD ON
ALUMINUM ROUND BAR 6061-T6511
.562" DIA X 144.0000"

Heat Number
201207091

Tag No
133982

Quantity PCS
300 FT 25

Wt LBS
88

4) Our Order PEC-518912- 4 Your PO # 18619 AD ON
ALUMINUM ROUND BAR 6061-T6511
.750" DIA X 144.0000"

Heat Number
40959-112

Tag No
133885

Quantity PCS
48 FT 4

Wt LBS
25

5) Our Order PEC-518912- 5 Your PO # 18619 AD ON
ALUMINUM ROUND BAR 6061-T6511
3.50" DIA X 144.0000"

Heat Number
17548

Tag No
133886

Quantity PCS
12 FT 1

Wt LBS
137

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTEES IMMEDIATEMENT

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

SHIP FROM: B I L L O F L A D I N G
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 799828
Ship Date 14Dec12 at 13:51 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-518912- 6 Your PO # 18619 AD ON

ALUMINUM ANGLE 6063-T5

.750" x .750" x .062" X 252.0000"

Heat Number Tag No
2BS240 133887

Quantity PCS Wt LBS
21 FT 1 2

TOTAL: Tags PCS LBS
6 37 271

Heat Number *** Chemical Analysis ***
17548
201207091
2BS240
2BS755
40959-112

14/12/17

AD ON TO 518871 SUR-CHARGE PAID SHIP TOGETHER

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 2 BDL 1 BOX G.W. 425 LBS

ITEMS (1,2,4,5) BDL

ITEM (6) BDL

ITEM (3) BOX

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE

RAPPORTEES IMMEDIATEMENT

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT

MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G
No: PEC 799828
Ship Date 14Dec12 at 13:51 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

===== B I L L O F L A D I N G =====
***** CLOSED FOR THE HOLIDAYS *****
ON DEC. 25TH & 26TH, 31ST & JAN. 1ST.
WE ARE OPENED FOR BUSINESS ON DEC. 24, 27 & 28.
HAVE A HAPPY HOLIDAY SEASON!
*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 3 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
VQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

28
B I L L O F L A D I N G
Ship From: THYSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

No: PEC 799833
Ship Date 14Dec12 at 14:10 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

===== B I L L O F L A D I N G =====
1) Our Order PEC-518871- 1 Your PO # 18619
STAINLESS STEEL SHEET 304-2B

.0480 Nom X 48.0000" X 96.0000"

Heat Number Tag No
300725 133945

Quantity PCS Wt LBS
320.00 SFT 10 609

2) Our Order PEC-518871- 2 Your PO # 18619
STAINLESS STEEL SHEET 304-2B

.0360 Nom X 48.0000" X 96.0000"

Heat Number Tag No
A1200877 133946

Quantity PCS Wt LBS
320.00 SFT 10 457

TOTAL: Tags PCS LBS
2 20 1066

Heat Number *** Chemical Analysis ***
300725
A1200877

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL ITEMS (1&2) 1 SKID G.W. 1118 LBS

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTEES IMMEDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

B I L L O F L A D I N G

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 799833
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Probill
Via VIM TRANSFER
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Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

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CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
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Page: 2 Last

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RAPPORTÉES IMMÉDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B

.0480 Nom X 48.0000" X 96.0000"

PART NO.

PO/Rel 18619

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.


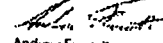
Certificate of Mill Test Results

BL PEC-799833-001

14Dec12

Signed by:

Pg 1/1

 ThyssenKrupp ThyssenKrupp Stainless USA		Type of document / Tipo de documento / Art der Prüfbescheinigung INSPECTION CERTIFICATE CERTIFICADO DE INSPECCION ABNAHMEPRÜFZEUGNIS according to / de acuerdo con / nach EN 10204-3.1		Document number / Nº de certificado / Bescheinigungsnummer 0000025813 / Page / Página / Seite 1 / 1																	
1 ThyssenKrupp Drive, P.O. Box 13000, Calvert, AL 36513-1300 OLBERT METALS SALES LIMITED 989 DERRY ROAD EAST SUITE 305 MISSISSAUGA ON L5T 2J8 CANADA		Customer/Shop to / Cliente / Besteller/Empfänger OLBERT METALS SALES LIMITED, MISSISSAUGA Customer's order number / Nº de Pedido Cliente / Kundenbestelln. TO-1828 Manufacturer's work order no. / Nº del Pedido Manufactura / Werkauftragss. 001145653 / 007 Delivery order no. / Nº de Entrega / Lieferschein-Nr. B5218320 / 070 Product / Producto / Erzeugnis SHEET/HOJAS/BLECH Steel grade and quality / Acero / Stahlkategorie und Gütegruppe TYPE 304L/304																			
Terms of delivery / Condiciones de entrega / Lieferbedingungen ASTM A240/A240M, ASME SA-240 Sec.II Part A Ed.2010 ASTM A480/A480M, ASME SA-480 Sec.II Part A Ed.2010		Product dimensions (Thickness / Espesor / Länge) / Dimensiones (Ejes) / Anpro / Länge / Maße des Erzeugnisses (Dübel / Breite / Länge) 1.22 mm x 1,218.20 mm x 2,438.40 mm 0.0480 inch x 48.0000 inch x 96.0000 inch																			
Customer's material no. / Nº de material del cliente / Kundenmaterial-Nr. 6033088		Actual weight / Pesa actual / Ist-Gewicht 4,467 lb / 2,026 kg		Coil No. / Bobina No. / Bolls-Nr. 709255																	
Sum / Suma / Summe 74		4,467 lb / 2,026 kg		Weight No. / Cofre / Schmelz-Nr. 300725																	
Heat / Coche / Schmelze 300725		Country of heat / País de colada / Erzeugungsland ITA		Chemical composition / Composition Chimique / Chemische Zusammensetzung <table border="1"> <thead> <tr> <th>% C</th> <th>% Si</th> <th>% Mn</th> <th>% P</th> <th>% S</th> <th>% Cr</th> <th>% Ni</th> <th>% N</th> </tr> </thead> <tbody> <tr> <td>0.029</td> <td>0.30</td> <td>1.84</td> <td>0.029</td> <td>0.0010</td> <td>18.14</td> <td>8.04</td> <td>0.062</td> </tr> </tbody> </table>		% C	% Si	% Mn	% P	% S	% Cr	% Ni	% N	0.029	0.30	1.84	0.029	0.0010	18.14	8.04	0.062
% C	% Si	% Mn	% P	% S	% Cr	% Ni	% N														
0.029	0.30	1.84	0.029	0.0010	18.14	8.04	0.062														
Sample Position / Local de la muestra / Probenlage TRANSVERSE		<table border="1"> <thead> <tr> <th>YS0.2% PSI / MPa</th> <th>TS PSI / MPa</th> <th>EL A2% %</th> <th>HRB</th> </tr> </thead> <tbody> <tr> <td>41,914 / 289</td> <td>91,850 / 634</td> <td>58</td> <td>82</td> </tr> <tr> <td>40,174 / 277</td> <td>91,805 / 633</td> <td>57.5</td> <td>81</td> </tr> </tbody> </table>				YS0.2% PSI / MPa	TS PSI / MPa	EL A2% %	HRB	41,914 / 289	91,850 / 634	58	82	40,174 / 277	91,805 / 633	57.5	81				
YS0.2% PSI / MPa	TS PSI / MPa	EL A2% %	HRB																		
41,914 / 289	91,850 / 634	58	82																		
40,174 / 277	91,805 / 633	57.5	81																		
Dimensions-surface / Dimensiones-Superficie / Maße-Oberfläche Test of identity (spectrometry) / Control de identidad (espectroscopia) / Verwechslungsprüfung (Spektalanalyse) OK OK		No weld repairs No intentional additions of Mercury compounds were made or used Free of radioactive contamination EU RoHS Directive 2002/95/EC Compliant Country of Heat as per ISO 3166-1																			
Original of the document / Original del documento / Ausfertigung der Bescheinigung ThyssenKrupp Stainless USA, LLC An ISO 9001: 2008 certified company Certificate is generated automatically / Certificado es generado automáticamente / Das Zeugnis wurde elektronisch erstellt		The information provided is a true copy of data on file / Los valores mostrados corresponden a los datos archivados / Die geneigten Werte entsprechen dem gespeicherten Daten  Andrew Faucett Phone: +1 261 829 5492 Name of expert / Nombre del experto / Name des Sachverständigen		Date of issue and validation Fecha de emisión y validación Datum Ausstellung / Bestätigung 10/03/2012																	

THYssenKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
0.0360 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 18619

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-799833-002

14Dec12

Pg 2/2

产品质量证明书 MATERIAL TEST CERTIFICATE

无锡宝昌金属制品有限公司
Wuxi Baichang Metal Products Co., Ltd

PAGE 2 OF 2

单号: EX1207157GS

Order No.

卖方: GLOBAL STAINLESS STEEL INC.

Order

用户: GLOBAL STAINLESS STEEL INC.

INSIGNEE

品名: COLD ROLLED STAINLESS
Commodity STEEL SHEET

标准: ASTM A240/A240M
Specification

牌号: 304

Type

表面加工: 2B
Surface Finish

编号: EX1207157

Invoice No.

发行日期: 2012-9-17
Date

序号 No.	货物编号 Product No.	产品尺寸			数量 Number	重量 Weight Kg	拉伸试验			表面 硬度 Hardness HV≤200	炉批号 HEAT NO.	化 学 成 分								
		厚度 Thickness MM	宽度 Width MM	长度 Length MM			Tensile Test					Chemical Composition (%)								
							屈服强度 0.2% YS N/mm ² ≥ 205	抗拉强度 TS N/mm ² ≥ 520	延伸率 EL %≥45			C ≤0.08	Si ≤1.00	Mn ≤2.00	P ≤0.045	S ≤0.05	Ni 8.00-10.50	Cr 18.00-20.00	N ≤0.02	
1	12091710	0.8	1219	2438	63	1136	303	616	56	180	C1200683	0.0500	0.440	1.1600	0.0300	0.0020	8.0100	18.060	0.0437	
2	12091711	1.0	1219	2438	54	1114	273	693	56	170	A1200877	0.0400	0.360	1.1300	0.0370	0.0010	8.9100	18.000	0.0503	
3	12091712	1.2	1219	2438	55	1518	298	656	56	174	C3200591	0.0500	0.400	1.1300	0.0340	0.0020	8.0400	18.130	0.0420	
4	12091713	2.0	1219	2438	35	1495	291	630	60	141	C2206327	0.0400	0.400	1.1600	0.0370	0.0010	8.0600	18.240	0.0300	
5	12091714	2.5	1219	2438	26	1500	320	665	67.5	162	C2108891	0.0300	0.480	1.0500	0.0410	0.0020	8.0700	18.230	0.0400	
6																				
7																				
8																				
9																				
10																				
注 (Remarks):																				

注 (Remarks):

尺寸和表面: 合格

Size and Surface: Guaranteed

兹证明所列产品均符合订单和标准的制造要求

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN
HAS BEEN MADE IN ACCORDANCE WITH THE ORDER AND
SPECIFICATION

*此报告仅可完全复制

*The report can only be copied completely

技术本部
TECHNICAL DEPT.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18619

Purchase Order Date 12/11/12

PO Print Date 12/11/12

Page Number 1 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED

M 124029

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1 020	M304S18GA	304/316 .050 Sheet	12/19/12 Yes	320.00 sf	Yours ppd	\$3.2812	\$1,050.00

Special Inst: MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
AS MIL-S-5059 OR AMS 5513 (304) OR
AMS 5524 (316)
OR ASTM A240 OR ASME SA240

PLEASE NOTE: DO NOT DELIVER
BEFORE THE 17 OF DECEMBER

RECEIVING WILL BE CLOSE
DECEMBER 13 AND 14 FOR
INVENTORY

2 030	M304S20GA	304/316 .040 She	12/19/12 Yes	320.00 sf	Yours ppd	\$2.4844	\$795.00
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Special Inst: MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
AS MIL-S-5059 OR AMS 5513 (304) OR
AMS 5524 (316)
OR ASTM A240 OR ASME SA240

1441417

PO Instructions: NO: PEC ST-518482 NO: PEC ST-514021
NO: PEC ST-515417 NO: PEC ST-513880

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 2

Change Date: 12/11/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18619

Purchase Order Date 12/11/12

PO Print Date 12/11/12

Page Number 2 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

3	M7075T6B1.000X1.000	7075 T6 BAR 1.00 x 1.00	12/19/12 Yes	12.00 f	Yours ppd	\$12.5959	\$151.15
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Special Inst:

MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11

4	M303B1.000X03.000	303 BAR 1" X 3'	12/19/12 No	24.00 f	Yours ppd	\$49.8942	\$1,197.46
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Special Inst:

MATERIAL: AISI 303 SS BAR AS PER
ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

5	M174R0.750	17-4 round bar .750	12/19/12 Yes	36.00 f	Yours ppd	\$5.1500	\$185.40
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Special Inst:

MATERIAL: 17-4 PH/S17400 TYPE 630 SS
ROUND BAR
AS PER AMS 5643 OR ASTM A564

6	M7075T6B1.500X1.500	7075 T6 BAR 1.500 x 1.500	12/19/12 Yes	12.00 f	Yours ppd	\$16.0000	\$192.00
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Special Inst:

MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11

PO Instructions:

NO: PEC ST-518482 NO: PEC ST-514021
NO: PEC ST-515417 NO: PEC ST-513800

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 2

Change Date: 12/11/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18619

Purchase Order Date 12/11/12

PO Print Date 12/11/12

Page Number 3 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

7	M6061T6B0.375X00.750 002	6061T6 BAR .375 x .750	12/19/12 Yes	✓ 24.00 f	Yours ppd	\$2.5000	\$60.00
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Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR
ASTM B211 OR ASTM B221

8	M6061T6R0.500 012	6061-T6 Round Bar .500"	12/19/12 Yes	+ 48.00 f	Yours ppd	\$1.2000	\$57.60
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Special Inst:

6061-T6 (OR 6061-T651/ T6510/ T6511/
T62) ROUND BAR
QQ-A-225/8 OR AMS-QQ-A-225/8 OR
(AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8)OR
AMS 4160)
OR ASTM B211 OR ASTM B221

9	M6061T6R0.563	6061-T6 ROUND BAR .563	12/19/12 Yes	✓ 300.00 f	Yours ppd	\$0.6067	\$182.01
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Special Inst:

6061-T6 (OR 6061-T651/ T6510/ T6511/
T62) ROUND BAR
QQ-A-225/8 OR AMS-QQ-A-225/8 OR
(AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8)OR
AMS 4160)
OR ASTM B211 OR ASTM B221

PO Instructions:

NO: PEC ST-518482 NO: PEC ST-514021
NO: PEC ST-515417 NO: PEC ST-513880

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required - YES NO

Change Nbr:

2

Change Date: 12/11/12

DART
aerospaceDart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053**PURCHASE ORDER**

Purchase Order ID PO18619

Purchase Order Date 12/11/12

PO Print Date 12/11/12

Page Number 4 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

10	M6061T6R0.750 93	6061-T6 Round Bar .750"	12/19/12 Yes	48.00 f	Yours ppd	\$1.0292	\$49.40
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Special Inst:

6061-T6 (OR 6061-T651/ T6510/ T6511/
T62) ROUND BAR
QQ-A-225/8 OR AMS-QQ-A-225/8 OR
(AMS 4117/4128/4115/4116)
OR QQ-A-200/8OR AMS-QQ-A-200/8)OR
AMS 4160)
OR ASTM B211 OR ASTM B221

11	M6061T6R3.500 006	6061 RD bar 3.50	12/19/12 Yes	12.00 f	Yours ppd	\$22.3250	\$267.90
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Special Inst:

6061-T6 (OR 6061-T651/ T6510/ T6511/
T62) ROUND BAR
QQ-A-225/8 OR AMS-QQ-A-225/8 OR
(AMS 4117/4128/4115/4116)
OR QQ-A-200/8OR AMS-QQ-A-200/8)OR
AMS 4160)
OR ASTM B211 OR ASTM B221

12	M6063T5A0.750W.063	Angle6063T5 .750 X.750 X.063w	12/19/12 Yes	21.00 f	Yours ppd	\$1.4286	\$30.00
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PO Total:

\$4,217.92

MATERIAL CERTIFICATION
REQ'D UPON DELIVERYPO Instructions: NO: PEC ST-518482 NO: PEC ST-514021
NO: PEC ST-515417 NO: PEC ST-513880No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 2

Change Date: 12/11/12